

AMENDMENTS TO THE CLAIMS

These claims will replace all prior versions of claims:

1. (CURRENTLY AMENDED) An apparatus comprising:
an integral molded part of a plastic material for the analysis and preparation of substances, the apparatus having at least one surface region and an interior region,
wherein the molded part consists of one chemically unitary starting material, and wherein said at least one surface region is an open-pore three dimensional network.
2. (PREVIOUSLY PRESENTED) The apparatus according to claim 1, wherein said interior region has no open pores.
3. (PREVIOUSLY PRESENTED) The apparatus according to claim 1 or claim 2 wherein said plastic material is selected from the group consisting of polyamides, polysulfones, polyesters, polycarbonates and as copolymers and mixtures thereof.
4. (PREVIOUSLY PRESENTED) The apparatus according to claim 1 wherein at least one reactant is bound to at least a part of said at least one surface region.
5. (PREVIOUSLY PRESENTED) The apparatus according to claim 4, wherein said reactant is selected from the group consisting of proteins, nucleic acids, carbohydrates, lipids, affinity-ligands and effectors of enzymes.
6. (PREVIOUSLY PRESENTED) The apparatus according to claim 4 or claim 5 wherein said reactant is bound through a reactive side chain of said plastic material.
7. (PREVIOUSLY PRESENTED) The apparatus according to claim 1 wherein said molded part is at least one of a pipette tip, microtitration plate, piece of flexible tubing, rod, single or multiple vessel, immersed body sphere or plate.
8. (CURRENTLY AMENDED) A process for the preparation of an integral molded part of a plastic material, wherein the molded part consists of one chemically unitary starting material, and the molded part having at least one surface region and an interior region, the process comprising: partially dissolving the plastic material on at least a part of the at least one surface region to form an open-pore surface region which is a three-dimensional network.

9. (PREVIOUSLY PRESENTED). The process according to claim 8, further comprising chemically activating the surface region before, simultaneously with or after partially dissolving the surface region.

10. (PREVIOUSLY PRESENTED) An integral molded part of a plastic material having at least one surface region and having an interior region, the surface region obtainable by a process comprising: partially dissolving the plastic material on at least a part of the at least one surface region to form an open-pore surface region which is a three-dimensional network.

11-19. (CANCELED)